

IN THE CLAIMS:

1. (Currently Amended) A data processing system comprising:

a first data processing apparatus having a setting means that sets first copy-control information showing the copy control state of data in a header section of a data packet and second copy control information showing the copy control state of said data set in greater detail than said first copy control information in a data section of said data packet and an output means that outputs said first copy control information, said second copy control information and said data; and

a second data processing apparatus having an input means that inputs the first copy control information showing the copy control state of data in said header section and the second copy control information showing the copy control state of said data set in greater detail than said first copy control information and said data and a controlling means of that determines the copy control state of said data based on said first copy control information and second copy control information inputted by said input means and controls the of said data according to the determination result.

2. (Previously Presented) The data processing system according to Claim 1, further comprising a third data processing apparatus having an input means that inputs the first copy control information showing the copy control state of data, the second copy control information defining the copy control state of said data in greater detail than said first copy control data and said data, and a controlling means that determines the copy control state of said data based only on said first copy control information among said first copy control information and said second

copy control information inputted by said input means, and controls the reproduction of said data according to the determination result.

3. (Previously Presented) The data processing system according to Claim 1 wherein said setting means in said first data processing apparatus sets the first copy control information based on the detailed state of data constituting said second copy control information.

4. (Currently Amended) The data processing system according to Claim 1 wherein said output means in said first data processing apparatus stores said first copy control information in the header section of transmission signals, stores said second copy control information and said data in said data section of a the transmission ~~signal~~ signals and thus creates the transmission signals which will be then outputted.

5. (Previously Presented) The data processing system according to Claim 1 wherein said input means in said second data processing apparatus receives and stores said first copy control information stored in the header section of a transmission signal and said second copy control information and data stored in the data section of said transmission signals and inputs said first copy control information, said second copy control information and said data.

6. (Previously Presented) The data processing system according to Claim 1 wherein said copy control means in said second data processing apparatus renews the copy control state of reproducible data according to said determination result to control the reproduction of said data.

7. (Currently Amended) The data processing system according to Claim 2 wherein said input means in said third data processing apparatus receives said first copy control information stored in the header section of a transmission signal and said second ~~copy control~~ copy control information and said data stored in the data section of said transmission signal and inputs said first copy control information and said second copy control information and said data.

8. (Previously Presented) The data processing system according to Claim 2 wherein said copy control means in said third data processing apparatus renews the copy control state of reproducible data according to said determination result to control the reproduction of said data.

9. (Previously Presented) A data processing apparatus according to Claim 1 wherein said first copy control information is information showing one of a plurality of copy control states and said second copy control information is information showing one of a larger number of copy control states than the copy control states shown by said first copy control information, and each of the copy control states indicated by said second copy control information is linked with any one of the copy control states shown by said first copy control information.

10. (Currently Amended) A data processing method comprising the steps of:

creating second copy control information defining more roughly the copy-control state than first copy control information based on the first copy control information defining the copy control state of data to be transmitted;

storing said second copy control information of said data in a packet header of a data packet carrying said data and storing said first copy control information in said data

portion of said data packet; and

transmitting simultaneously said first copy control information and second copy control information as well as said data.

11. (Previously Presented) The data processing method according to Claim 10 wherein said first copy control information is information showing one of a plurality of copy-control states and said second copy control information is information showing one of a larger number of copy control states than the copy control states shown by said first copy control information, and each of the copy control states indicated by said second copy control information is linked with one of the copy control states shown by said first copy control information.

12. (Currently Amended) A data processing apparatus comprising:

a setting means that sets first copy control information showing the copy control state of data in a header section of a data packet and second copy control information showing the copy control state of said data set in greater detail than said first copy control information in a data portion of said data packet; and

an output means that outputs said first copy control information, said second copy control ~~means~~ information and said data.

13. (Currently Amended) The data processing apparatus according to Claim 12 wherein said setting means sets said first copy control information of said data ~~of data~~ based on said second copy control information constituting detailed copy control state of said data.

14. (Previously Presented) The data processing apparatus according to Claim 12 wherein said output means stores said first copy control information in the header section of transmission signals and said second copy control information and said data in the data section of said transmission signals to create transmission signals and to output the same.

15. (Previously Presented) The data processing apparatus according to Claim 12 wherein said first copy control information is information showing one of a plurality of copy-control states and said second copy control information is information showing one of a larger number of copy control states than the copy control states shown by said first copy control information, and each of the copy control states indicated by said second copy control information is linked with one of the copy control states shown by said first copy control information.

16. (Currently Amended) A data processing apparatus comprising:

an input means that inputs first copy control information showing ~~the~~ copy-control state of data, second copy control information showing ~~the~~ copy control state of said data set in greater detail than said first copy control information and said data; and

a copy control means that determines the copy control state of said data based on said first copy control information and said second copy-control information inputted by said input means and controls ~~the~~ reproduction of said data according to the determination result;

whereby the first copy control information is included in a header section of a data packet and the second copy control information is included in a data section of said data packet.

17. (Previously Presented) The data processing apparatus according to Claim 16 wherein said input means receives said first copy control information stored in the header section of transmission signals and said second copy control information and said data stored in the data section of said transmission signals and inputs said first copy control information and said second copy control information and said data.

18. (Previously Presented) The data processing apparatus according to Claim 16 wherein said copy control means renews the copy control state for reproducible data according to said determination result and controls the reproduction of said data.

19. (Previously Presented) The data processing apparatus according to Claim 16 wherein said first copy control information is information showing one of a plurality of copy-control states and said second copy control information is information showing one of a larger number of copy control states than the copy control states shown by said first copy control information, and each of the copy control states indicated by said second copy control information is linked with one of the copy control states shown by said first copy control information.

20. (Currently Amended) A data processing apparatus comprising:

an input means that inputs first copy control information showing the copy control state of data, second copy control information defining the copy control state of said data in greater detail than said first copy control information and said data; and

a copy control means that determines the copy control state of said data based

only on said first copy control information among said first ~~copy control~~ copy control information and said second copy control information inputted by said input means and controls the reproduction of said data according to the determination result;

whereby the first copy control information is included in a header section of a data packet and the second copy control information is included in a data section of said data packet.

21. (Previously Presented) The data processing apparatus according to Claim 20 wherein said input means receives said first copy control information stored in the header section of transmission signals and said second copy control information and said data stored in the data section of said transmission signals and inputs said first copy control information and said second copy control information and said data.

22. (Previously Presented) The data processing apparatus according to Claim 20 wherein said copy control means renews the copy control states for reproducible data according to said determination result and controls the reproduction of said data.

23. (Previously Presented) The data processing apparatus according to Claim 20 wherein said first copy control information is information showing one of a plurality of copy control states and said second copy control information is information showing one of a larger number of copy control states than the copy control states shown by said first copy control information, and each of the copy control states indicated by said second copy control information is linked with one of the copy control states shown by said first copy control

information.

24. (Currently Amended) An information signal processed by a data processing apparatus that records data, said information signal comprising:

first copy control information showing ~~the~~ copy control state of data;

second copy control information showing ~~the~~ copy control state of said data set in greater detail than said first copy control information; and

said data proper;

whereby the first copy control information is included in a header section of a data packet and the second copy control information is included in a data section of said data packet.